

Date: Sat, 2 Jul 94 04:30:06 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #733
To: Info-Hams

Info-Hams Digest Sat, 2 Jul 94 Volume 94 : Issue 733

Today's Topics:

 Daily Summary of Solar Geophysical Activity for 30 June
 Let's be Careful Out There!

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Thu, 30 Jun 1994 22:50:13 MDT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!gatech!newsxfer.itd.umich.edu!
nntp.cs.ubc.ca!alberta!adec23!ve6mgs!usenet@network.ucsd.edu
Subject: Daily Summary of Solar Geophysical Activity for 30 June
To: info-hams@ucsd.edu

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DAILY SUMMARY OF SOLAR GEOPHYSICAL ACTIVITY

30 JUNE, 1994

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(Based In-Part On SESC Observational Data)

SOLAR AND GEOPHYSICAL ACTIVITY INDICES FOR 30 JUNE, 1994

NOTE: Electron fluence at greater than 2 MeV was at moderate levels today.

X-ray statistics (except maximum) may be inaccurate due to system outages experienced today.

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!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 181, 06/30/94
10.7 FLUX=082.6  90-AVG=079          SSN=050      BKI=3444 2323  BAI=017
BGND-XRAY=A7.8    FLU1=2.7E+06  FLU10=6.2E+04  PKI=3444 3333  PAI=017
  BOU-DEV=056,059,041,041,015,***,***,***  DEV-AVG=042 NT    SWF=01:020
  XRAY-MAX= M2.5  @ 2124UT    XRAY-MIN= A6.7   @ 0055UT    XRAY-AVG= B3.4
NEUTN-MAX= +001% @ 1620UT    NEUTN-MIN= -002% @ 1600UT    NEUTN-AVG= -0.2%
  PCA-MAX= +0.2DB @ 1500UT    PCA-MIN= -0.1DB @ 1550UT    PCA-AVG= +0.0DB
BOUTF-MAX=55324NT @ 0027UT    BOUTF-MIN=55291NT @ 1655UT    BOUTF-AVG=55306NT
GOES7-MAX=P:+000NT@ 0000UT    GOES7-MIN=N:+000NT@ 0000UT    G7-AVG=+070,+000,+000
GOES6-MAX=P:+126NT@ 1655UT    GOES6-MIN=N:-061NT@ 0023UT    G6-AVG=+099,+029,-015
FLUXFCST=STD:085,087,089;SESC:085,087,089 BAI/PAI-FCST=020,020,018/020,020,020
KFCST=4443 3333 4443 3333 27DAY-AP=019,022 27DAY-KP=4433 3334 4444 3334
WARNINGS=
  ALERTS=**MINFLR:M2.5/1B@2124UTC(RGN7742);**SWEEP:II=3@2124-2159UTC;
    **TENFLR:350SFU@2118UTC,DUR=18MIN
!!END-DATA!!
```

NOTE: The Effective Sunspot Number for 29 JUN 94 is not available.
The Full Kp Indices for 29 JUN 94 are: 4- 5- 4o 3o 3- 3o 4- 4-
The 3-Hr Ap Indices for 29 JUN 94 are: 22 42 26 15 11 15 24 21
Greater than 2 MeV Electron Fluence for 30 JUN is: 4.8E+08

SYNOPSIS OF ACTIVITY

Solar activity became low due to several small C-class flares from Region 7742 (S08E29). This Region exhibited moderate growth but the weak delta configuration was not visible during the period. Big Bear observatory reports there is little shear in this region. Nearby Region 7743 (S11E41) was generally stable but some enhancements in Region 7742 coincided with point brightenings in Region 7743. A small region emerged near S16W04 and was numbered as Region 7744. (Note at press time: Region 7742 produced an M2 flare at 30/2124Z.)

STD: The M2.5/1B flare noted above was associated with a 350 sfu tenflare at 21:18 UTC that lasted 18 minutes. A strong Type II sweep was also associated with this event.

Solar activity forecast: solar activity should continue generally low. Intermittent C-class flares are expected from Region 7742 with an isolated chance of a small M-class flare should growth continue and/or magnetic complexity reappear.

The geomagnetic field was at mostly unsettled to active levels. Local nighttimes were the most disturbed periods. The greater than 2 MeV fluxes were at moderate levels for the first half of the period. High fluxes were observed during the latter half.

Geophysical activity forecast: the geomagnetic field should be unsettled to active for the next three days. Isolated minor storm conditions are possible during local nighttime.

Event probabilities 01 jul-03 jul

Class M	10/10/10
Class X	01/01/01
Proton	01/01/01
PCAF	Green

Geomagnetic activity probabilities 01 jul-03 jul

A. Middle Latitudes

Active	40/40/30
Minor Storm	30/30/25
Major-Severe Storm	10/10/05

B. High Latitudes

Active	40/40/40
Minor Storm	30/30/25
Major-Severe Storm	15/15/10

HF propagation conditions were near-normal over all regions. High and polar latitude paths may have experienced occasional minor signal degradation during the local night hours. A minor short wave fadeout was associated with today's M2.5/1B tenflare and may have affected middle or low-latitude sunlit paths on frequencies up to approximately 15 to 18 MHz. Similar near-normal conditions are expected to persist over the next 3 days, through 03 July inclusive. There is a chance Region 7742 could produce another minor M-class flare over the next 24 to 48 hours.

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REGIONS WITH SUNSPOTS. LOCATIONS VALID AT 30/2400Z JUNE

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
------	----------	----	------	---	----	----	-----	------

7742 S08E28 230 0220 DAO 06 017 BETA
 7743 S11E40 218 0020 HRX 01 002 ALPHA
 7744 S16W05 263 0000 AXX 01 001 ALPHA
 7741 N05W76 334 PLAGE
 REGIONS DUE TO RETURN 01 JULY TO 03 JULY
 NMBR LAT LO
 7734 N11 151
 7730 S11 130

LISTING OF SOLAR ENERGETIC EVENTS FOR 30 JUNE, 1994

BEGIN	MAX	END	RGN	LOC	XRAY	OP	245MHZ	10CM	SWEEP
0242	0321	0332	7742	S13E38	C1.5	SF	660		
0313	0313	0314					500		
0754	0811	0820	7742	S10E35	C2.4	SF	140		
0855	0907	0927	7742	S10E35	B7.4	SF	160	29	
1419	1419	1419					330		
1834	1835	1836					130		
2113	2124	2133	7742	S12E27	M2.5	1B		350	II

POSSIBLE CORONAL MASS EJECTION EVENTS FOR 30 JUNE, 1994

BEGIN	MAX	END	LOCATION	TYPE	SIZE	DUR	II	IV
30/2124		2159	S12E27	RSP	M2.5	20	3	

INFERRED CORONAL HOLES. LOCATIONS VALID AT 30/2400Z

ISOLATED HOLES AND POLAR EXTENSIONS
 EAST SOUTH WEST NORTH CAR TYPE POL AREA OBSN
 NO DATA AVAILABLE FOR ANALYSIS

SUMMARY OF FLARE EVENTS FOR THE PREVIOUS UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	2695 MHz	8800 MHz	15.4 GHz
29 Jun:	0635	0642	0655	B1.9						
	0819	0825	0831	B1.6						
	1315	1336	1346	B4.8	SF	7742	S10E47			
	1432	1445	1455	B9.1	SF	7742	S11E46			
	1615	1618	1620	B2.0	SF	7742	S11E47			
	2010	2016	2025	B1.6	SF	7742	S11E44			
	2114	2118	2123	B1.3						
	2136	2150	2201	C1.2	SF	7742	S13E43			

REGION FLARE STATISTICS FOR THE PREVIOUS UTC DAY

	C	M	X	S	1	2	3	4	Total	(%)
	--	--	--	--	--	--	--	--	---	-----
Region 7742:	1	0	0	5	0	0	0	0	005	(62.5)
Uncorrelated:	0	0	0	0	0	0	0	0	003	(37.5)

Total Events: 008 optical and x-ray.

EVENTS WITH SWEEPS AND/OR OPTICAL PHENOMENA FOR THE LAST UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	Sweeps/Optical Observations
-----	-----	-----	-----	-----	--	-----	-----	-----
29 Jun:	0819	0825	0831	B1.6				III
	1315	1336	1346	B4.8	SF	7742	S10E47	III,V
	2114	2118	2123	B1.3				III

NOTES:

All times are in Universal Time (UT). Characters preceding begin, max, and end times are defined as: B = Before, U = Uncertain, A = After. All times associated with x-ray flares (ex. flares which produce associated x-ray bursts) refer to the begin, max, and end times of the x-rays. Flares which are not associated with x-ray signatures use the optical observations to determine the begin, max, and end times.

Acronyms used to identify sweeps and optical phenomena include:

II	= Type II Sweep Frequency Event
III	= Type III Sweep
IV	= Type IV Sweep
V	= Type V Sweep
Continuum	= Continuum Radio Event
Loop	= Loop Prominence System,
Spray	= Limb Spray,
Surge	= Bright Limb Surge,
EPL	= Eruptive Prominence on the Limb.

** End of Daily Report **

Date: 2 Jul 1994 00:53:39 -0700

From: ihnp4.ucsd.edu!usc!elroy.jpl.nasa.gov!netline-fddi.jpl.nasa.gov!nntp-server.caltech.edu!news.claremont.edu!kaiwan.com!not-for-mail@network.ucsd.edu
Subject: Let's be Careful Out There!
To: info-hams@ucsd.edu

In article <9405297729.AA772945530@smtpgty.anatcp.rockwell.com>, William A. Kirsanof wrote:

> Now the reminder: Be careful when using a transmit
> capable radio to monitor public safety frequencies! If
> your radio supports it, program an odd split so that if
> you do inadvertently transmit, it will be in the ham
> bands. This person was clearly not paying attention to

Thank you very much for this informative reminder.

Regards,

--
Alfred Lee, KE6??? Fountain Valley, CA, U.S.A. alf@kaiwan.com
FCC listening? ^ 'The answer is (e^iY + 1) ? "Yes" : "No"'

Date: 2 Jul 1994 05:00:54 -0400
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!europa.eng.gtefsd.com!
newsxfer.itd.umich.edu!montego!not-for-mail@network.ucsd.edu
To: info-hams@ucsd.edu

References <Anthony_Pelliccio-010794150655@138.16.64.44>, <2v1rjm\$nk0@cville-srv.wam.umd.edu>, <CsADLr.LvM@news.Hawaii.Edu>
Subject : Re: Call-Sign Prefixes

Since we're on the subject..

I'll be going to the Bahamas for my honeymoon in November.

- (1) Is my license good there to xmit?
- (2) Do *I* need to give my callsign differently
- (3) Well, gee, anything else I should know whilst travelling there???

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.....
Matt Rupert - 2984 Pheasant Run Dr. Apt D - Jackson MI 49202 - hoagy@ais.org
Personal Security / UNIX Enthusiast / Amateur Radio - KB8SGL
Which is worse: ignorance or apathy? Who knows? Who cares?

End of Info-Hams Digest V94 #733
